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Grade 7: Math  
1.4: Fractions Word Problems

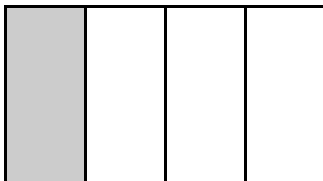
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- The following topics will be on the quiz on Wednesday the 21st.
- Reducing fractions
- Mixed  $\rightarrow$  Improper
- Improper  $\rightarrow$  Mixed
- Fraction addition and subtraction.
  - Similar denominator
  - Different denominators
  - Mixed fractions
- Fraction multiplication and division
  - Mixed fractions
- Comparing fractions

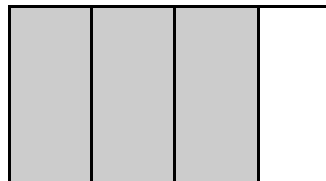
- Word Problems.

- Katie is reading a story book. She reads  $2\frac{1}{2}$  pages in the morning,  $\frac{1}{3}$  page before lunch. How many pages did she read?
- Sofia and Katie ran a race. Sofia ran  $\frac{2}{7}$  km while Katie ran  $\frac{3}{14}$  km. Who ran more and by how much?
- Margaret goes shopping and buys  $3\frac{1}{5}$  kg apples and  $2\frac{5}{6}$  kg grapes. How many kgs of fruits did Margaret buy?
- Ms. Philip's hair is  $8\frac{1}{4}$  inches long. She gets a haircut and her hair is  $2\frac{3}{7}$  inches shorter. What is the length of her hair now?
- Simon is going to school. He walks  $15\frac{5}{6}$  min and takes a bus for  $34\frac{5}{8}$  min. How long did it take Simon to reach school?

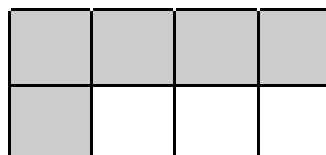
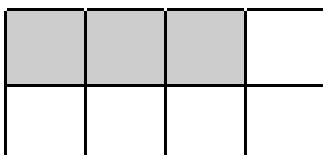
- Add the following shapes and express your answer as a mixed number and an improper fraction.



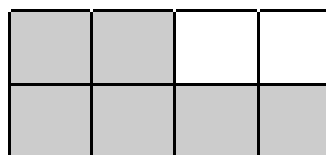
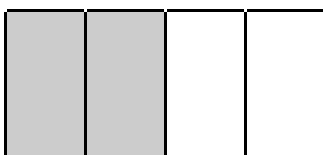
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- Word Problems.
1. A class of 12 students shared a pizza. If each student ate  $\frac{2}{3}$  of a pizza, how much pizza did they all have together?
  2. Janice bought 20 bags of sugar, each containing  $1\frac{1}{5}$  kg of sugar. What was the total weight of all the bags combined?
  3. Mr. Oest places an order for chemical X for his Chemistry class. Each bottle of c contains  $3\frac{2}{7}$  g of chemical X. If Mr. Oest orders 21 bottles how much chemical X does Mr. Oest have?
  4. Six sevenths of a pizza is to be eaten by three friends. How much does each friend get, if the pizza is shared equally.
  5. Ms. Philip has a  $14\frac{2}{8}$  inch long banner which she wants to cut into  $2\frac{1}{5}$  inch long strips. How many strips does she have?
  6. Mike has 15 cupcakes. He eats three fifths of the cupcakes he had. How many cupcakes did Mike eat? How many are left?

